



# Securing Europe's Semiconductors Industries: Circular Raw Materials and Sustainable Solutions

*The CLOSER I3 Project – International and Interregional Collaboration for Open  
Strategic Autonomy and Sustainable Microelectronics Production*

02.06.2025 – Brussels

As Europe advances toward strategic autonomy in semiconductor manufacturing, ensuring a **secured Europe** with a stable and sustainable supply of critical raw materials is essential. This event, organized within the framework of the **CLOSER I3 Project**, will explore how **regional development** and circular economy strategies - such as urban mining, advanced recycling technologies, and industrial symbiosis - can reduce reliance on imported raw materials and strengthen Europe's position in the global microelectronics sector.

Bringing together key stakeholders from industry, academia, and policymaking, the event will highlight best practices in **circular supply chains**, discuss policy recommendations, and showcase international and interregional collaboration efforts to drive a more resilient and **sustainable semiconductor industry**. By leveraging secondary raw materials from e-waste and industrial residues, Europe can reinforce its industrial leadership and pave the way for a greener, more self-sufficient future in microelectronics production.

## Programme

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**14:30 - 14:45**

### **Welcome & Opening Remarks**

- *Introduction to the CLOSER I3 Project and its objectives;*
- *The importance of circular economy strategies in securing Europe's semiconductor industry.*



**14:45 – 15:45**

**Keynote Panel: The Future of Circular Microelectronics**

- *Challenges in semiconductor supply chain resilience;*
- *Urban mining and material recovery: The role of technology and innovation in advancing circular strategies for microelectronics*
- *Policies and strategies for sustainable semiconductor production*

**15:45 – 16:45**

**Best Practices in Circular Economy for Semiconductors**

- *Case studies on recycling Silicon, Gallium, Indium, and Germanium;*
- *Industrial symbiosis models for microelectronics waste management.*

Session Format:

*CLOSER Insights:* Detailed presentation of CLOSER partners' work on recycling and material recovery;

*External Experts:* Case studies and practical examples of circular economy applications in the microelectronics industry.

**16:45 – 17:30**

**Panel Discussion: Strengthening Europe's Strategic Autonomy in Semiconductor Production**

- *Building resilient circular supply chains: Key strategies for improving sustainability and reducing dependency on imported raw materials;*
- *Innovative approaches: Leveraging secondary raw materials from e-waste and industrial residues;*
- *Strengthening regional collaboration: How different regions in Europe can work together to boost microelectronics production autonomy*

**17:30 - 18:00**

**Open floor discussion, Q&A,  
and networking opportunities**